

### Application

VTX F15 delivers studio monitor sound quality in a premium two-way multipurpose enclosure featuring point and shoot flexibility along with patented D2 Dual Diaphragm Dual Voice Coil compression driver and Differential Drive® LF technologies employed in VTX V25 and the M2 Studio Reference Monitor. Ideal for sound reinforcement rental companies, live performance venues, theatrical sound design, performing arts centers, high-impact A/V presentations, houses of worship and themed entertainment venues, VTX F15 is a highly-versatile sound design tool.

### Key Features

- ▶ Bi-Amplified 2-Way System
- ▶ D2430K D2 Dual Diaphragm Dual Voice Coil Compression Driver
- ▶ Progressive Transition Waveguide (90° x 50°)
- ▶ Differential Drive®, dual neodymium magnet, dual voice coil, Direct Cooled™ 15" transducer for low weight and high output
- ▶ BSS Audio OmniDriveHD V5 Processing for use with Crown iTechHD and Crown VRack
- ▶ Dedicated OEM factory presets provide unparalleled application flexibility
- ▶ JBL HiQnet Performance Manager™ Control

For point-and-shoot fill applications, VTX F15 is a perfect sound design complement to VTX V25 due to the sonic consistency provided by common large format D2 and differential drive component technology. The patented D2 Dual Diaphragm, Dual Voice Coil high frequency compression driver delivers a dramatic increase in high frequency extension and sound pressure levels with significantly lower distortion, reduced power compression, increased dynamic headroom and reduced weight. For the low frequency section, JBL's patented Differential Drive® dual voice coil, dual magnetic gap cone transducer technology dramatically reduces weight while providing high linear excursion capability and greatly enhancing all critical performance parameters: frequency response, power output and distortion.

VTX F15 fully integrates with JBL's comprehensive amplification and intelligent control, including BSS® Audio OmniDriveHD Linear Phase FIR Processing, Crown® iTech HD or Crown VRACK amplification and JBL HiQnet® Performance Manager™ Control. A comprehensive set of application-specific V5 OEM factory presets for Crown iTech HD amplifiers provide optimized, plug-and-play performance for short throw (ST), long throw (LT) and stage monitor modes.

When paired with the VTX F18S subwoofer, F15 provides a premium-quality, compact Front-of-House, Sidefill or Drum Monitoring solution and with their clean lines, F15 is perfectly suited for demanding tour sound stage monitoring requirements.

Standard pole mount socket, M10 mount points and an optional U-bracket accessory allow VTX F15 to be used in a wide variety of distributed fill applications.



### Specifications:

<b>System</b>	Frequency Range (-10 dB):	43 Hz - 21.5 kHz (short throw mode, free field) 42 Hz - 21.5 kHz (monitor mode, half-space)	
	Frequency Response (±3 dB):	59 Hz - 20.0 kHz (short throw mode, free field) 58 Hz - 20.0 kHz (monitor mode, half-space)	
	Coverage Pattern:	90 x 50 degrees nominal (Vertical Orientation)	
	System Input Power Rating:	LF: 1000 W Continuous, 4000 W Peak (AES / 2 hour) HF: 200 W Continuous, 800 W Peak (AES / 2 hour)	
	Maximum Peak Output <sup>1</sup> :	134 dB SPL (LF), 137 dB SPL (HF), free-field 140 dB SPL (LF), 137 dB SPL (HF), half-space	
	Recommended Amplification:	LF: 1400 - 2000 W into 8 ohms HF: 540 - 800 W into 20 ohms	
	Recommended Signal Processing:	Crown® I-Tech HD power amplification VTX F Series presets available for download at <a href="http://www.jblpro.com">www.jblpro.com</a>	
	<b>Transducers</b>	Low Frequency:	One 2265H, 381 mm (15 in) dia., 76 mm (3 in) dual voice coil, dual neodymium magnet, Differential Drive®, Direct Cooled™
		Bandpass Nominal Impedance:	8 ohms
		Input Power Rating <sup>2</sup> :	1000 W Continuous, 4000 W Peak (AES / 2 hour) 700 W Continuous, 2800 W Peak (100 hour)
Bandpass Sensitivity:		98 dB, 1W / 1m (2.83 Vrms at 3.3 ft) free-field 104 dB, 1W / 1m (2.83 Vrms at 3.3 ft) half-space	
High Frequency:		One 2430K D2 Dual Diaphragm Dual Voice Coil Compression Driver; two 76 mm (3 in) diameter voice coils; 38 mm (1.5 in) exit	
Bandpass Nominal Impedance:		20 ohms	
<b>Enclosure</b>	Input Power Rating <sup>2</sup> :	200 W Continuous, 800 W Peak (AES / 2 hour)	
	Bandpass Sensitivity:	108 dB, 1W / 1m (2.83 Vrms at 3.3 ft)	
	Construction:	Symmetrical stage monitor (53 degree angle); 18 mm, 11-ply Baltic birch plywood; black DuraFlex™ finish; integral recessed handle	
	Suspension:	Integral pole mount socket (35 mm diameter); 16 x M10 mount points; Optional U-bracket and extension rod (SS5-BK) accessories available	
	Grille:	Powder coated 14 gauge hex-perforation steel with acoustically transparent black cloth backing	
	Input Connectors:	Neutrik® Speakon® NL-4 (4x) Pins 1+/- LF, Pin 2+/- HF	
<b>Optional Accessories</b>	Dimensions (H x W x D):	640.1 x 457.2 x 327.7 mm (25.2 x 18 x 12.9 inches)	
	Net Weight:	22.9 kg (50.5 lbs)	
	Shipping Weight:	26.5 kg (58.5 lbs)	
	SS5-BK:	Adjustable extension rod with M20 thread for attachment to VTX F18S; hand crank height adjustment; patented expanding mandrel system for secure vibration free attachment to F18S using either integral pole mount socket or optional UB universal bracket accessory	
	VTX F15 UB:	Universal bracket accessory	

<sup>1</sup>Calculated maximum SPL based on rated peak power and measured sensitivity

<sup>2</sup>AES Standard, one decade pink noise with 6 dB crest factor within device's operational band, free air. Standard AES 2 hr rating plus long term 100 hr rating.

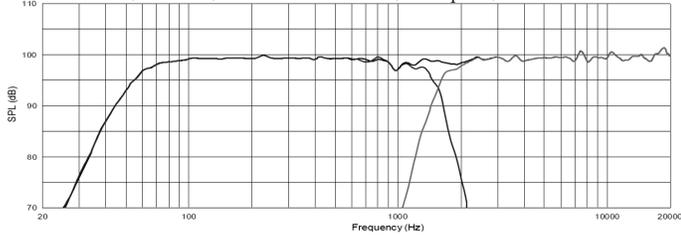
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# ▶ VTX F15 15" 2-Way Loudspeaker

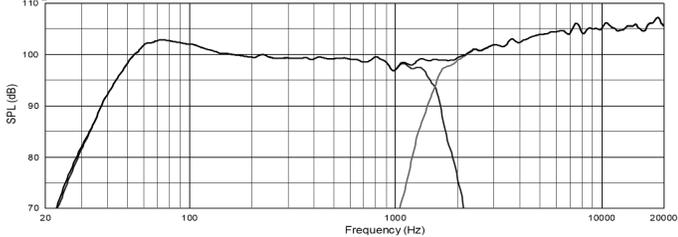
## Acoustical Measurements

Frequency Response with Recommended V5 DSP  
(Individual Bandpasses with Composite Overlay)

Short Throw (Freefield) or Monitor Mode (Half-space)

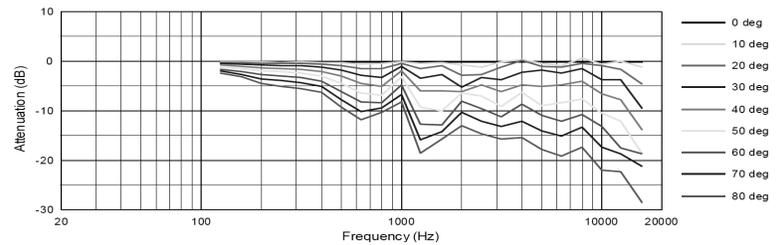
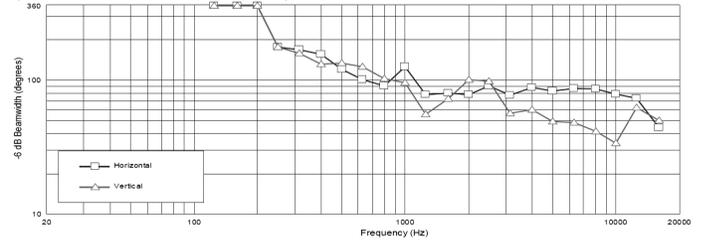


Long Throw Mode

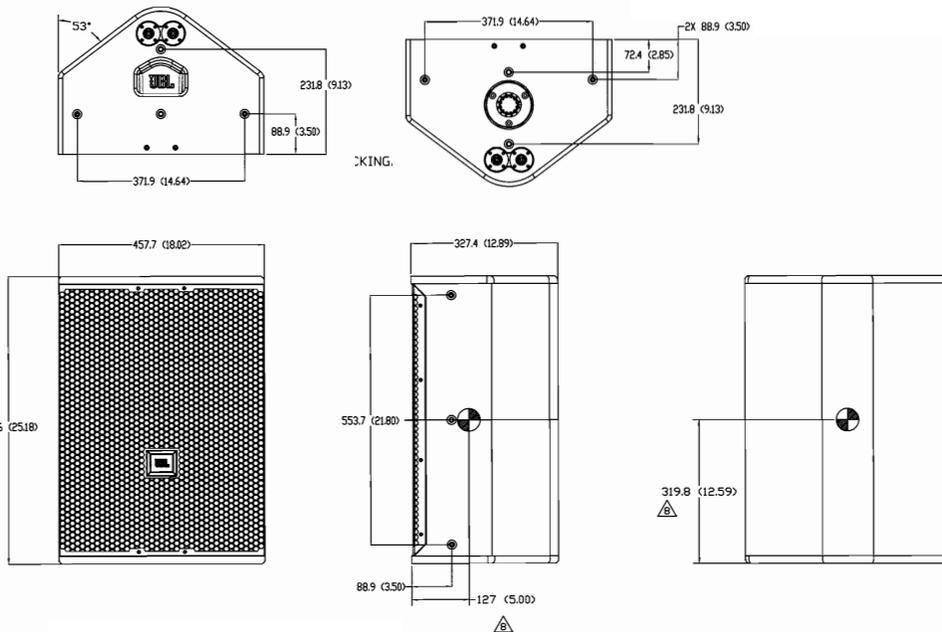


## Beamwidth and Normalized Off-Axis Response

(Vertical enclosure orientation)



## Dimensions



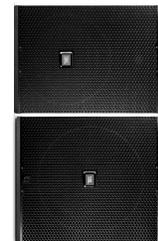
## System Configurations



Floor Monitor



Small Format  
Front of House



Drum/  
DJ Monitoring



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